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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/699,490	11/01/2003	Shyu-Mou Chen	03222-URS	3138
33804	7590	11/29/2004	EXAMINER	
SUPREME PATENT SERVICES POST OFFICE BOX 2339 SARATOGA, CA 95070			CHAPMAN JR, JOHN E	
			ART UNIT	PAPER NUMBER
			2856	

DATE MAILED: 11/29/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

Application No.

10/699,490

Applicant(s)

CHEN ET AL.

Examiner

John E Chapman

Art Unit

2856

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 2 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☒ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-18 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☐ Claim(s) \_\_\_\_ is/are rejected.
- 7) ☒ Claim(s) 1-18 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 05 April 2004 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |   |  |
|---|--|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. ____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                  | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)            |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date ____ | 6) <input type="checkbox"/> Other: ____  |

### DETAILED ACTION

1. This application is in condition for allowance except for the following formal matters:
  - a. The drawings are objected to because reference numeral "5" in Fig. 1 should be drawn to the inner frame. Figures 1 and 2 should be designated by a legend such as --Prior Art-- because only that which is old is illustrated. In Fig. 6, "3s" does not appear to be either "a plurality of bumps or convex" (see paragraph 16) and furthermore refers to the same element as "3i."
  - b. The abstract of the disclosure is objected to because legal terminology, such as "said," should be avoided. In addition, "an" in line 2 (both occurrences) should be changed to --a--.
  - c. The specification contains numerous idiomatic and grammatical errors and should be revised carefully. Examples of such errors are:

Page 2, line 3, "move" should be --moves--.

Paragraph 4, line 7, "proceeds" should be --proceed--.

Paragraph 11, line 3, --by-- should be inserted after "made".

Paragraph 16, line 2, "bumps or convex" is unclear.

Paragraph 17, line 2, "non-specific" is unclear.

Paragraph 18, line 2, "concave" is unclear.

Paragraph 19, line 2, "concave" is unclear.

Paragraph 20, line 2, “design and combination” should be --designs and combinations--.

Paragraph 20, line 3, “concaves” is unclear.

d. Claims 1-18 are objected to because of the following informalities:

In claims 1-18, “A silicon dual inertial sensors” should be changed to --A silicon dual inertial sensor--.

In claim 1, line 29, “generates” should be changed to --generate--.

Regarding claim 2, it is not clear that 3s in Fig. 6 comprises “bumps or long convex.” There is no antecedent basis for “glass” in line 2.

Regarding claim 3, it is not clear that 5t in Fig. 5a comprises “long concave.”

Regarding claim 4, it is not clear that the surfaces of the outer frame, connecting block or anchor comprise a “concave.” There is no antecedent basis for “glass” in line 3.

Regarding claims 5-7 and 10-18, note the above regarding claims 2-4.

Regarding claim 10, the preamble recites “A silicon dual inertial sensors,” but the body of the claim recites “at least an accelerometer.” Since dual inertial sensors are being claimed, “at least an accelerometer” in line 3 should be changed to --first and second accelerometers--. In line 26, “generates” should be changed to --generate--.

Prosecution on the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

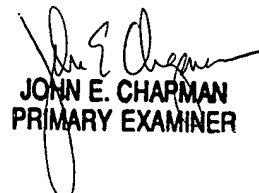
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A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

2. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Bernstein et al. disclose a tuning fork gyroscope comprising proof masses 512 in Fig. 10 provided with through holes 513 for minimizing damping caused by air resistance. Weinberg et al. disclose a tuning fork gyroscope in Fig. 2 comprising proof masses 10 provided with through holes 40, and strips 42, 43 formed on the substrate 22 for sensing displacement of the proof masses.

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to John E Chapman whose telephone number is (571) 272-2191. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hezron Williams can be reached on (571) 272-2208. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

  
JOHN E. CHAPMAN  
PRIMARY EXAMINER